

DMT Review for HLA AMG



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Overview

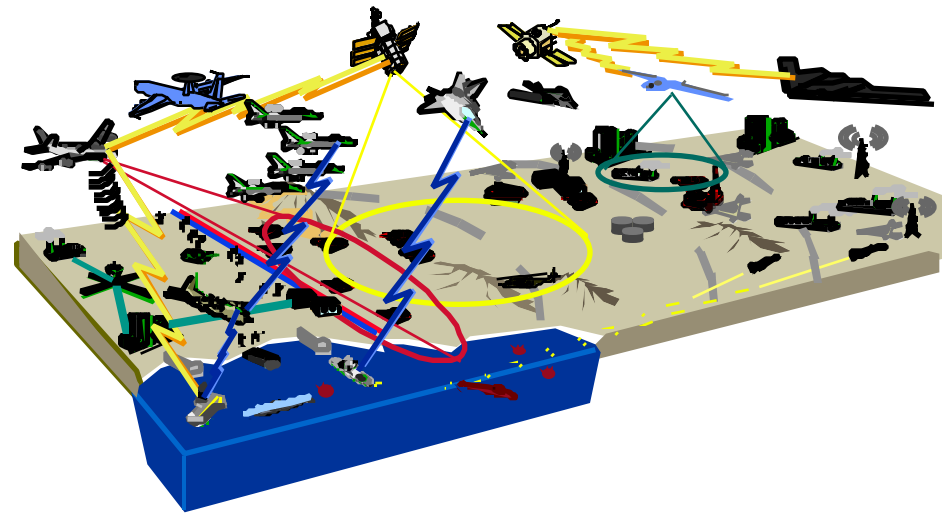
- Air Force Training Need
- DMT - the Solution
- Current DMT Efforts

The Challenge:

“Train the Way We Fight”

- Insufficient exercise \$\$
- Reduced flying time
- Security issues
- High PERSTEMPO, OPSTEMPO
- Safety
- Airspace availability
- Restricted weapons/EW envelopes
- Environmental concerns
- Complex rules of engagement

We fight as an Air & Space Team, but we seldom train together as a Team



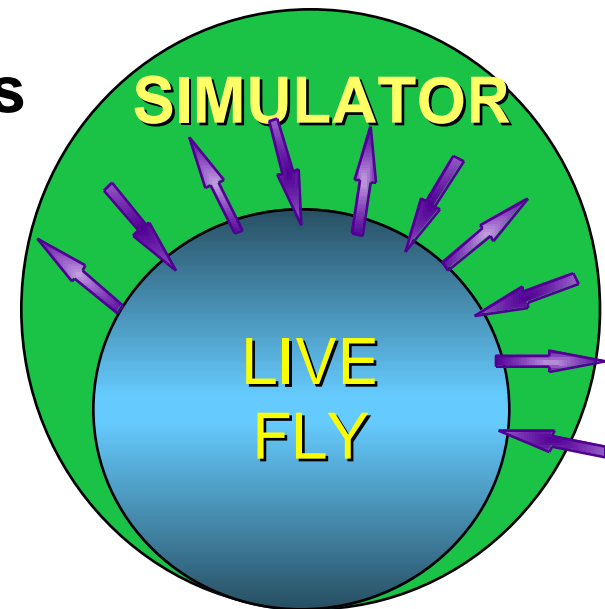
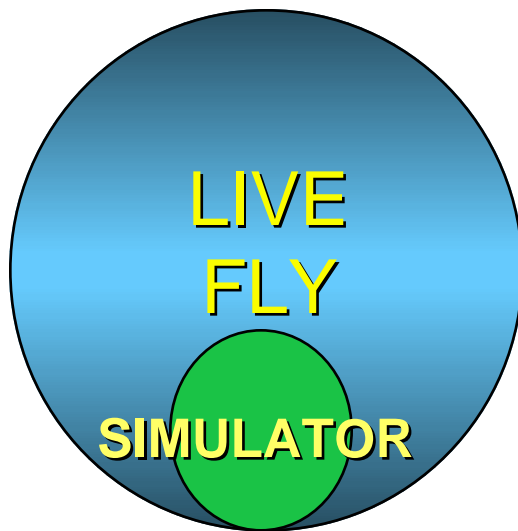
Increase Simulation in Training

Yesterday:
Mission proficiency
could be achieved with
flying hours

Today & tomorrow:
Achieving mission proficiency
requires
More than flying hours

Expanding operations

- New missions
- New systems
- New capabilities



DMT - Near Term

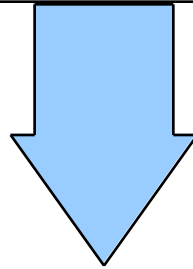
The MAJCOMs' View

- ACC - Unit level team training
- AMC - Proof of Concept
- AETC, AFSOC - Local networked simulators

*Grow to full mission training in
the Joint Synthetic Battlefield*

ACC Requirements

**ACC/CC's: “Train the way we fight
in networked simulators”** (Jan '97)



ACC DMT ORD 009-93-I-A (Oct '97)

- Linked, mission-level simulation training
- High fidelity simulators at each wing
- Linkage to C4I
- Full training system environment at each unit

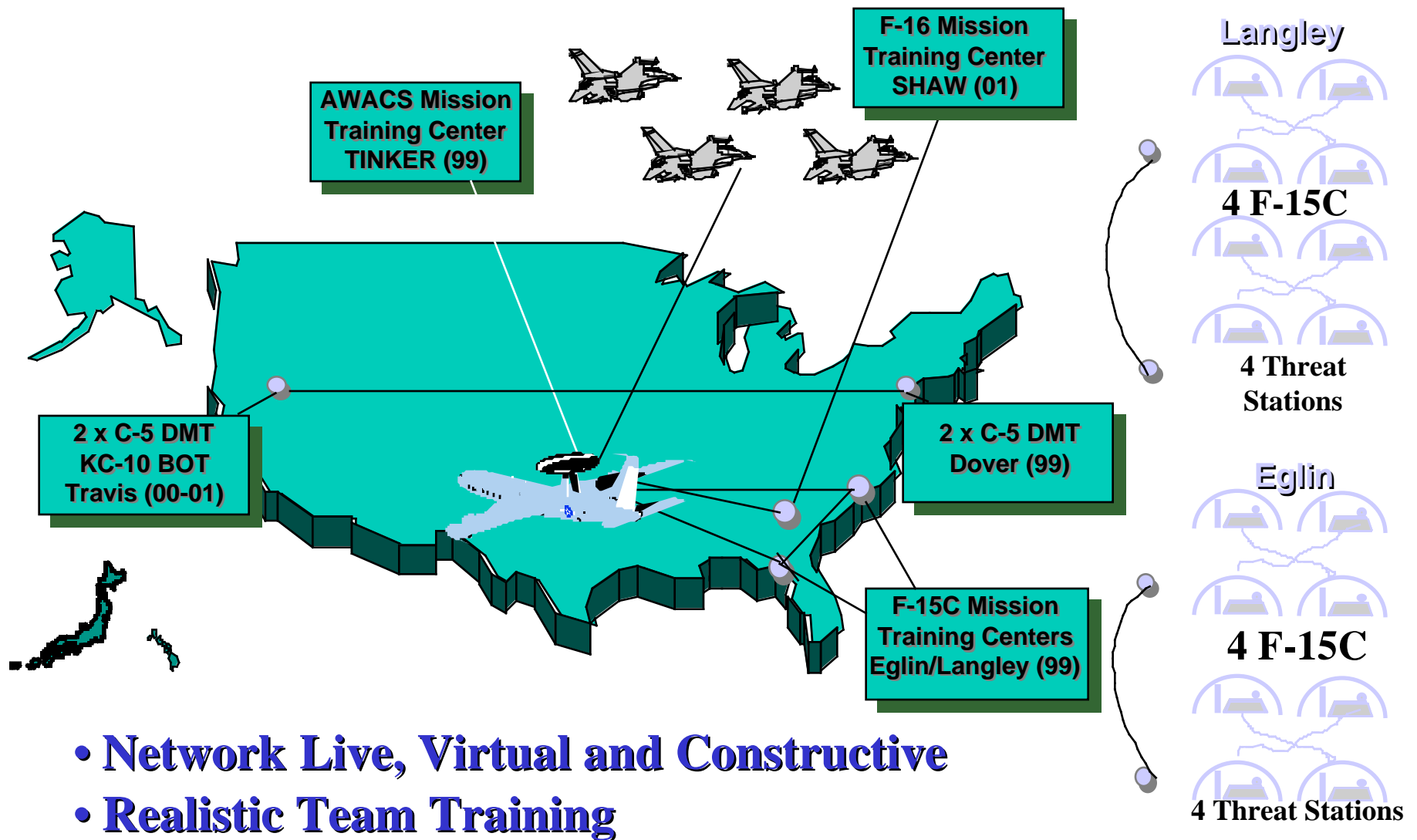
AMC Requirements

- Network 50+ Legacy Systems
 - Include Multiple Devices for Training Entire Crew
- Stabilize Sustainment Costs
- Dynamic Connectivity for Composite Force Training
- Total Training Immersion
 - Initial Step - C-5 WSTs at Dover
 - C-17, C-130, C-141, KC-10, KC-135 to follow

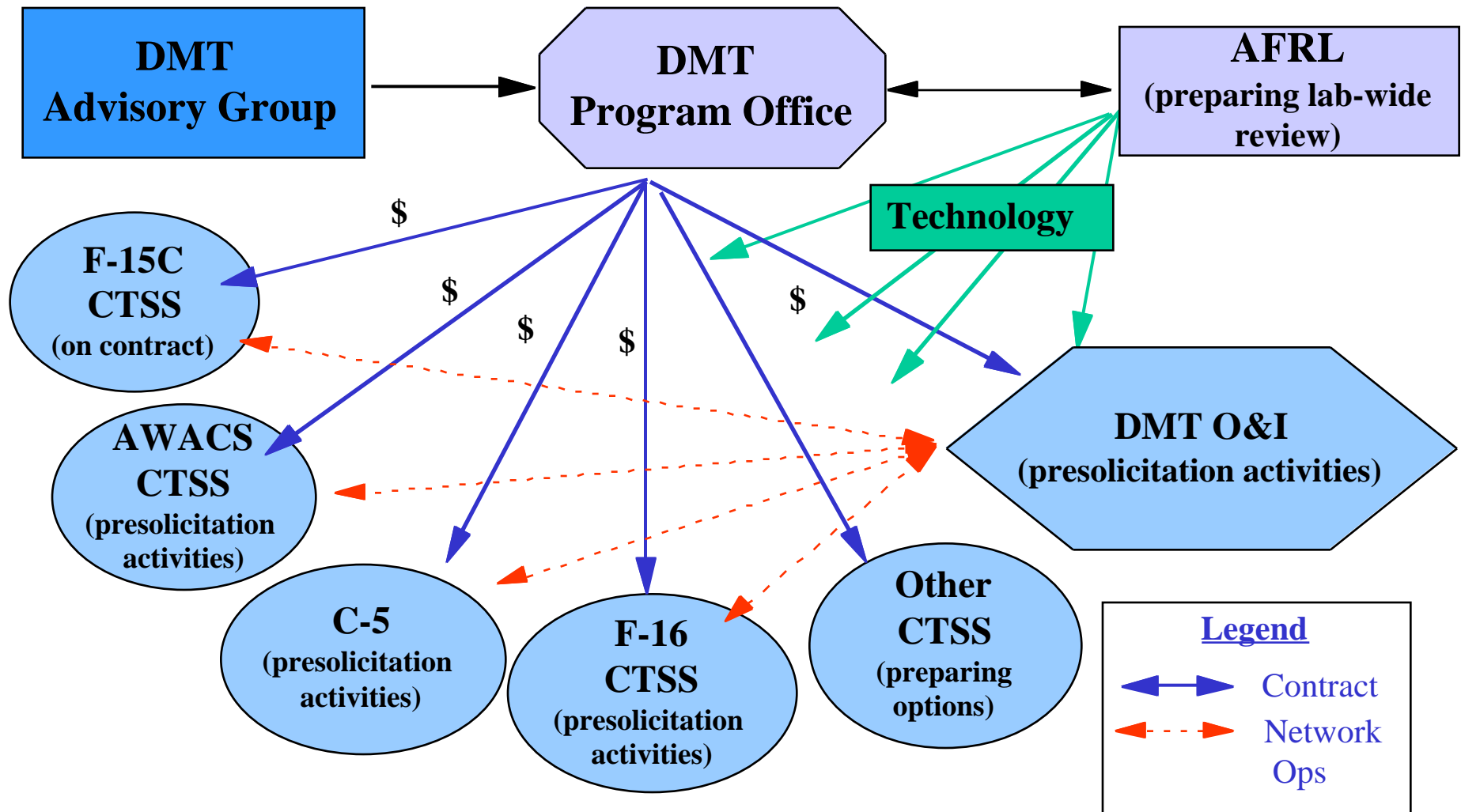
AMC ORD in Final Staff Coordination

Distributed Mission Training Efforts

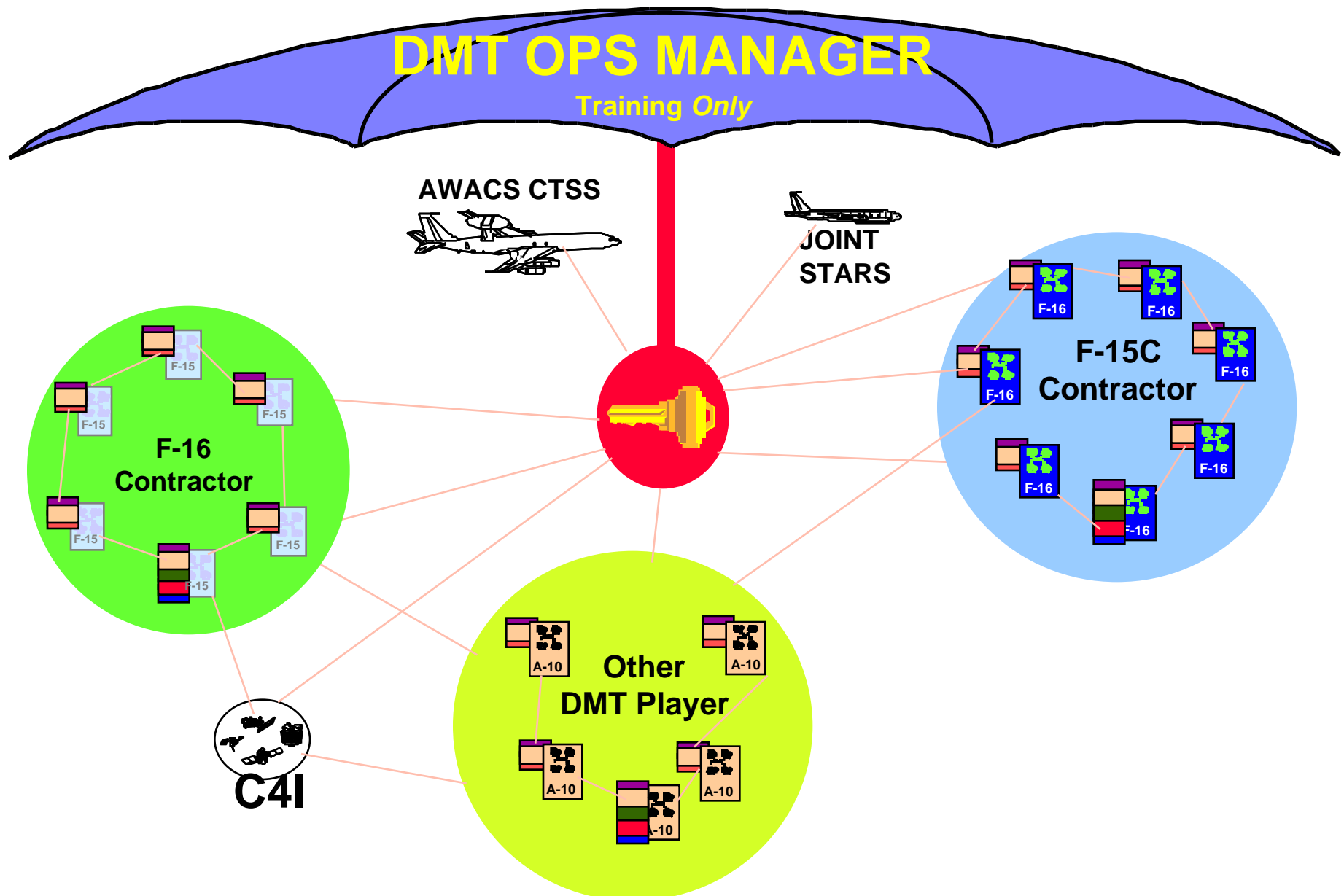
Near Term



DMT Activities



DMT Operations & Integration Contract



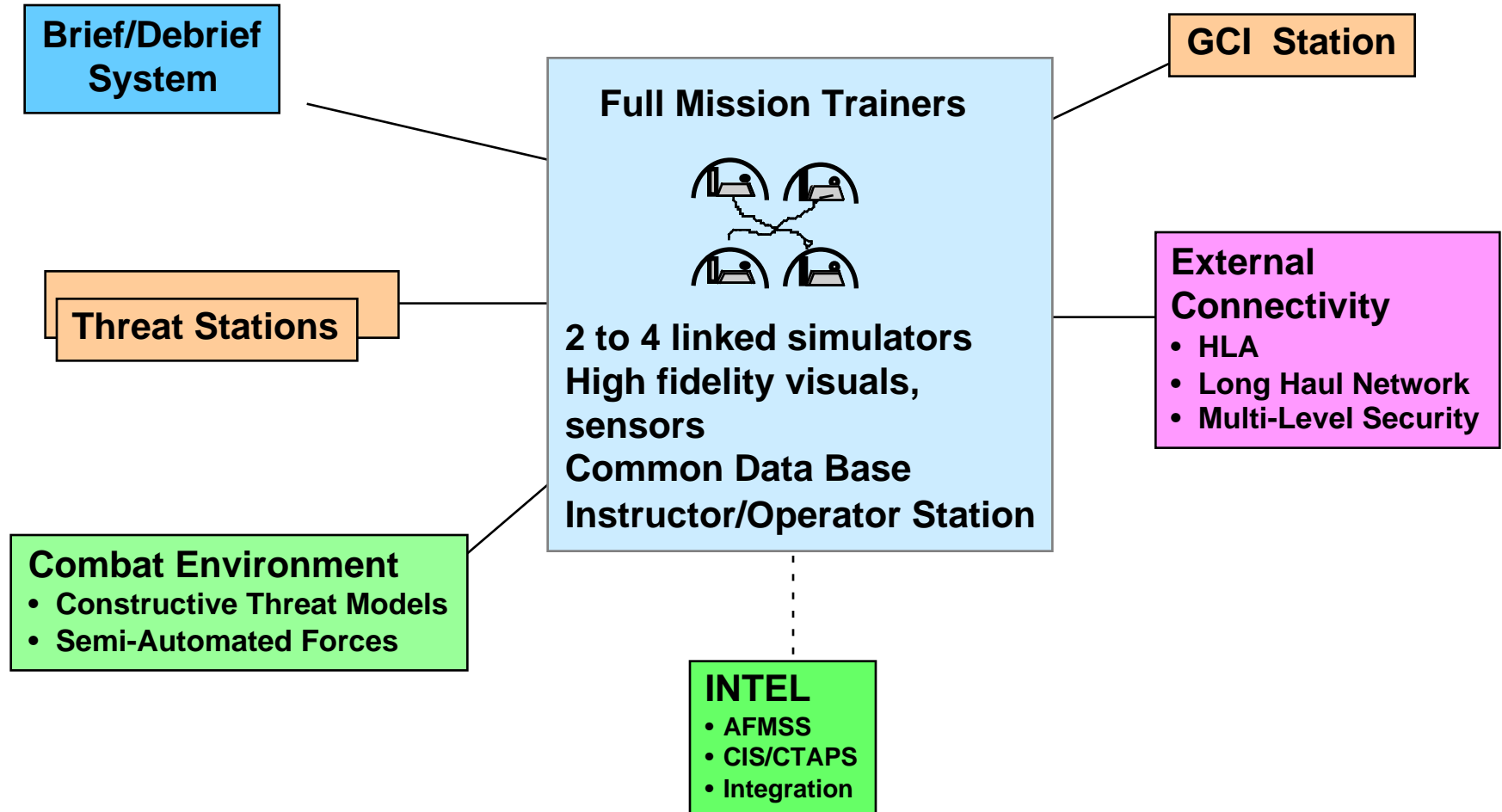
AMC DMT Approach

- **Network Proof of Concept - C-5 to C-5**
 - Two C-5 WSTs (Dover AFB) (FY98)
 - Four C-5s (Dover and Travis AFB) (FY99)
- **To Follow:**
 - Travis C-5s with Local KC-10 Boom Operator Trainer (BOT)
 - Dover, Travis, Plus KC-10 BOT (McGuire AFB)

F-15C Mission Training Centers

- **F-15C 4-Ship Simulator System capability**
 - Mar 99 IOC at Eglin and Jun 99 at Langley
 - High-fidelity, full-field-of-view cockpit in total training environment
- **Commercial Training & Simulation Service (CTSS) Contract**
 - Contractor owns the hardware, maintains concurrency
 - Government buying simulator services
 - 10 hrs per day - 5 days per week
 - surge hours and technology upgrade available
 - Paid for with operations & maintenance funds

“Wing-Level” DMT System



Self contained training capability with external connectivity

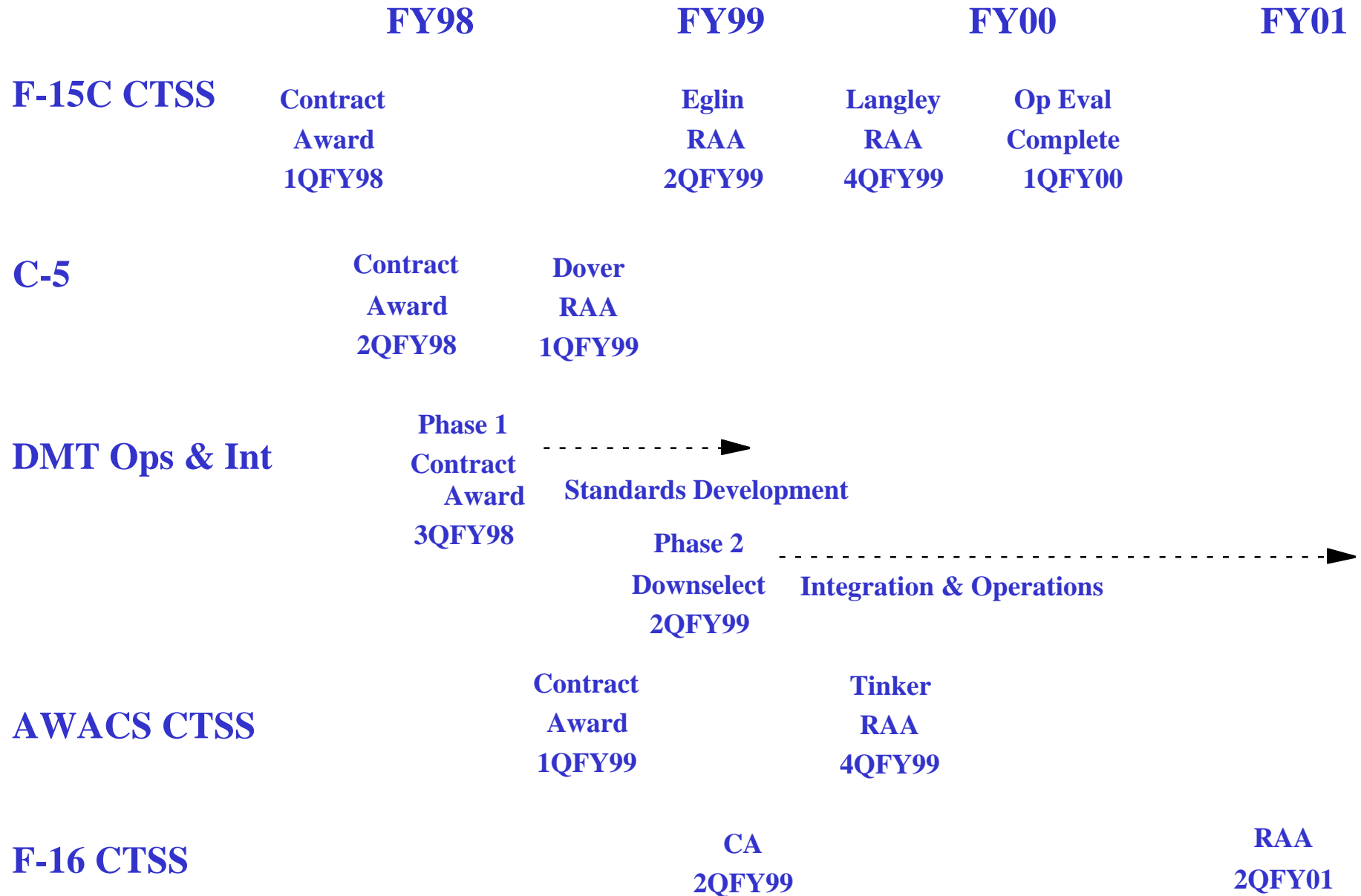
AWACS MTC

- **New Tinker AFB capability**
- **AWACS “Mission” training**
 - **14 Crew stations**
 - **5 Instructor positions**
- **Networked Training with**
 - **F-15C MTCs**
 - **Live Radar Feeds**
 - **Future DMT Players**
- **Commercial Services Contract - O&M**

F-16 Single Trainer

- **Full F-16 MTC 4-ship at Shaw (May 2001)**
 - Modeled after F-15C MTC
 - CTSS requirements contract (O&M \$)
- **Stand-alone single trainers at 4 other sites**
 - Expandable to full Mission Training Center
- **On Contract - Jan 1999**

DMT Schedule



Near-term System Decision Points

	FY98	FY99	FY00	FY01	FY02
AMC	POM Decision 2QFY98				
B-1	CTSS Decision 3QFY98		CA 1QFY00		RAA 3QFY02
A-10		DMT Decision 1QFY99		CA 1QFY01	

Summary

- DMT -- The End State
 - Provide Air Force Full Mission Training Capability
 - Unit Training Interface to the Joint Synthetic Battlespace
- DMT -- Near term
 - Answer for ACC's "Unit-level" team training needs
 - New acquisition approach
 - Helping AMC evaluate legacy migration to DMT